Application/Control No. Applicant(s)/Patent under Index of Claims Reexamination 09/816,306 ROGERS ET AL. Examiner Art Unit Michael R. Shannon 2614 (Through numeral) Cancelled Rejected Non-Elected Appeal Ν Α Allowed Restricted ı Interference 0 Objected

| Cla  | im       | Date   |  |                 |             |  |          |  |          | Clai     | m        | Date     |          |          |          |               |          |          |                    |          | Cla      | im       | Date |       |            |          |                 |   |               |                 |                |          |          |          |
|--|----------|--|--|-----------------|-------------|--|----------|--|----------|----------|----------|----------|----------|----------|----------|---------------|----------|----------|--------------------|----------|----------|----------|------|-------|------------|----------|-----------------|---|---------------|-----------------|----------------|----------|----------|----------|
|  | =        |  | 5  | 5               |             |  |          |  | I        | ٦        |          |          | _        |          |          |               |          |          |                    |          | Т        | ╗        | ſ    |       |            |          |                 |   |               |                 |                |          |          |          |
| Final  | Original | 3/4/05   | 7/21/05  | 12/10/05        |             |  |          |  |          |          | Final    | i        | Original |          |          | - 1           |          |          |                    |          |          |          |      | Final | Original   |          |                 |   |               |                 | ı              |          | ĺ        |          |
| iĒ   | Ę        | 3/4  | 712  | 2/1             |             |  | ı        |  | ١        |          | 🛅        | :        | [일       |          |          |               |          |          | 1                  | - [      |          |          |      | Fir   | Ë          |          |                 |   |               |                 |                |          |          |          |
|  |          |  | •-   | 1               |             |  |          |  |          |          | L.       | . [.     | ۱۲       |          | 1        |               |          |          | ļ                  |          |          |          | ١    |       | 0          |          | -               |   |               |                 |                |          |          |          |
|  | 1        | √.   | 1  | 1               |             |  |          |  | $\Box$   |          |          |          | 51       |          |          | $\Box$        |          |          |                    |          |          |          | ſ    |       | 101        |          |                 |   |               |                 |                |          | コ        | $\neg$   |
|  | 2        | 1  | 1  | 7               |             |  |          |  |          |          |          |          | 52       |          | T        | $\Box$        |          |          |                    | $\neg$   |          | ٦        | ſ    |       | 102        |          |                 |   |               |                 | $\neg$         | T        |          | $\neg$   |
|  | 3        | 4  | 1  | 7               |             |  |          |  |          |          |          |          | 53       |          |          | П             |          |          |                    | $\Box$   |          |          |      |       | 103        |          | T               |   |               |                 | $\neg$         | Т        | П        |          |
|  | 4        | V  | 1  | √               |             |  |          |  |          |          |          |          | 54       |          |          |               |          |          |                    |          |          |          | [    |       | 104        |          |                 |   |               |                 |                |          |          |          |
| L  | 5        | 1  | 1  | 1               |             |  |          |  |          |          |          |          | 55       |          |          |               |          |          |                    |          |          |          | [    |       | 105        |          |                 |   |               |                 |                | T        | П        | $\Box$   |
|  | 6        | 1  | ۷  | 1               |             |  | $\Box$   |  |          |          |          |          | 56       |          |          |               |          |          |                    |          |          |          | [    |       | 106        |          |                 |   |               |                 |                |          |          |          |
|  | 7        | 1  | 1  | 1               |             |  | $\Box$   | Ш  |          |          |          |          | 57       |          |          |               |          |          |                    |          |          | ╝        |      |       | 107        |          |                 |   |               |                 |                |          |          |          |
|  | 8        | 1  | √  | √               |             |  |          | Ш  |          |          |          |          | 58       |          |          |               |          |          |                    | $\perp$  |          |          |      |       | 108        |          |                 |   |               |                 |                |          |          |          |
|  | 9        | 1  | 1  | 4               |             |  | $\Box$   | Ш  |          | _        |          |          | 59       |          |          |               |          |          |                    |          |          |          |      |       | 109        |          |                 |   |               |                 |                |          |          |          |
|  | 10       | 1  |  |                 |             |  |          |  |          | _        | L.       |          | 60       | _        | $\perp$  | ightharpoonup | _        | $\bot$   |                    | _        |          | _        |      |       | 110        |          |                 |   |               |                 |                |          |          |          |
|  | 11       | 1  |  | Ш               |             | Ш  |          |  |          |          |          |          | 61       |          |          |               | [        |          | $\perp \downarrow$ | _        | [        |          |      |       | 111        | $\Box$   |                 | ] |               |                 | ]              |          | _[       |          |
|  | 12       | 1  |  | Ш               |             |  | Ш        | Ш  |          | _        |          |          | 62       |          | $\perp$  | _             | _        |          | _                  |          | $\perp$  | _        |      |       | 112        |          |                 |   |               | $\Box$          |                |          |          |          |
|  | 13       | 1  |  | Ш               |             | L  | Ш        | Ш  | Ц        |          | <u></u>  |          | 63       |          | $\perp$  | $\dashv$      |          |          | $\perp$            | $\perp$  | $\dashv$ | _        |      |       | 113        |          |                 |   |               | Ш               |                |          | [        |          |
|  | 14       | 1  |  | Ш               |             |  | Ш        | Ш  |          | _        | $\vdash$ |          | 64       | _        | $\perp$  | $\dashv$      |          |          | $\perp$            | $\dashv$ |          | _        | Ĺ    |       | 114        |          |                 |   |               | Ш               | ]              | _        | $\perp$  |          |
| <u> </u>   | 15       | 1  |  | Ш               |             |  | Ш        | Щ  |          | _        | $\vdash$ |          | 65       | _        | 4        | _             | ļ        | _        | _                  | _        |          | _        | L    |       | 115        | Ш        |                 |   |               |                 |                | _        | _        |          |
| <u> </u>   | 16       | <b>V</b>   | _  | Ш               |             |  | Ш        | Ш  |          |          | $\vdash$ |          | 66       | _        | 4        | $\dashv$      | _        | _        | $\dashv$           | $\perp$  |          | _        | L    |       | 116        | Ш        |                 |   | Ш             | Ш               |                | _        |          |          |
| <u> </u>   | 17       | -  |  | Ц               |             | Ц.,  | Щ        | $\square$  | _        | _        | $\perp$  |          | 67       | _ļ       | _        | _             | _        |          | 4                  | _        |          | _        | Ţ    |       | 117        | Ш        |                 |   |               |                 |                | _        |          |          |
|  | 18       | 1  |  |                 |             |  |          | Ш  |          | _        | <u> </u> |          | 68       |          | 4        | 4             | _        | $\dashv$ | 4                  | 4        | 4        | _        | Ļ    |       | 118        |          |                 |   |               |                 |                | _        | 4        | _        |
| L  | 19       | 1  | <b>√</b>   | 1               |             |  |          | Ш  |          | _        | <u> </u> |          | 69       | _        | _        | 4             |          | 4        | $\dashv$           | 4        | _        | _        | Ļ    |       | 119        |          |                 |   |               |                 |                | _        | _        | _        |
|  | 20       | 1  | 1  | 1               |             |  | Ш        | Щ  |          |          | ļ        |          | 70       | _        | 4        | _             | 4        | _        | _                  | _        | 4        | _        | Ļ    |       | 120        |          |                 |   |               | Ш               |                | _        |          | _        |
|  | 21       | 1  | 1  | 1               |             |  |          | Ш  |          |          | L        |          | 71       | _        | _        | _             | _        | _        | _                  | 4        | 4        | _        | ļ    |       | 121        |          |                 |   |               |                 |                | _        | _        |          |
| L  | 22       |  | 1  | 1               |             |  |          |  |          | _        | <u> </u> |          | 72       | _        | 4        | _             | _        | _        | $\dashv$           | _        | _        | _        | ļ    |       | 122        |          |                 |   | $\Box$        |                 |                | _        | _        | _        |
|  | 23       | _  | ٧  | 1               |             |  |          |  |          | _        | <u> </u> | 4        | 73       | _        | 4        | _             | _        | _        | $\dashv$           | 4        | _        | _        | ļ    |       | 123        |          |                 | _ |               |                 |                | _        | $\dashv$ | _        |
|  | 24       |  | 7  | 1               |             |  | Ш        | Ш  |          | _        | L.       |          | 74       | _        | 4        | _             | _        | _        | $\dashv$           | 4        | _        | 4        | -    |       | 124        |          |                 |   |               |                 |                | _        | $\dashv$ | _        |
| <u> </u>   | 25       |  | 1  | 1               | $\perp$     | _  | Ш        | Ш  |          | 4        | <u> </u> |          | 75       | _        | 4        | _             | _        | _        | 4                  | 4        | 4        | 긕        |      |       | 125        |          |                 |   |               |                 |                | _        | _        | ᆜ        |
| <u> </u>   | 26       |  | 1  | 1               | _           | _  |          | _  |          |          | -        |          | 76       |          | _        | 4             | _        | _        | $\dashv$           |          | 4        | 긕        | ļ    |       | 126        |          | $\Box$          |   |               |                 | _              |          | 4        | 4        |
| <u> </u>   | 27       |  | 1  | 1               |             |  |          | Щ  | $\dashv$ | _        | -        |          | 77       | -        | _        | 4             | _        | _        | _                  |          | -        |          | -    |       | 127        |          |                 |   |               | Ш               |                |          | _        | 4        |
| <u> </u>   | 28       | _  | 1  | <b>√</b>        |             | L  |          |  |          | _        | <u> </u> |          | 78       | $\dashv$ | _        | -             | _        | _        | 4                  | -        | -+       | _        | ŀ    |       | 128        | Щ        |                 |   |               |                 |                | -        | 4        | _        |
|  | 29       | _  | 1  | <b> </b>        |             | L  |          |  |          | _        | <u> </u> |          | 79       | _        | $\dashv$ | -             | _        | _        | -                  | 4        |          | _        | ŀ    |       | 129        | Ш        |                 |   |               |                 |                | _        | _        | 4        |
| <u> </u>   | 30       | $\vdash$   | 1  | 1               |             | <u> </u>   |          |  |          | _        | <u> </u> |          | 80       | _        | -        | -             | _        |          | $\dashv$           | 4        | 4        | _        | -    |       | 130        | Ш        |                 | _ |               |                 |                | _        | _        | ᆚ        |
| <u> </u>   | 31       | $\vdash$   | 7  | 1               |             | _  | Н        | $\vdash$   | $\vdash$ |          | <u> </u> |          | 81       | _        | -        | 4             | _        | _        | _                  | -        | _        | _        | ŀ    |       | 131        | $\vdash$ |                 |   |               | Щ               |                | _        | 4        | _        |
| <u> </u>   | 32       | $\vdash$   | 1  | 1               |             | $\vdash$   | Н        | $\vdash$   |          |          | $\vdash$ |          | 82       | $\dashv$ | $\dashv$ | -             |          | _        |                    |          | -        |          | -    |       | 132        | $\vdash$ | $\vdash$        |   | <u> </u>      | Щ               | Щ              | _        | _        | 4        |
| <u> </u>   | 33       | Н  | 7  | <b>√</b>        |             | $\vdash$   | Н        | $\vdash$   |          | $\dashv$ | -        |          | 83       | -        | $\dashv$ | -             |          | -        | $\dashv$           | $\dashv$ | $\dashv$ | $\dashv$ | - }  |       | 133        | Н        | $\vdash \vdash$ |   | <u> </u>      | Н               | $\sqcup$       | _        | _        | 4        |
|  | 34<br>35 | $\vdash$   | 7  | \<br>√          | <u> </u>    | $\vdash$   | Н        | $\vdash$   |          | $\dashv$ |          |          | 84       | $\dashv$ | -        |               |          | $\dashv$ | $\dashv$           | $\dashv$ | $\dashv$ | $\dashv$ | - }  |       | 134        | $\vdash$ | $\dashv$        |   | $\vdash$      | $\vdash\vdash$  | _              | -        | $\dashv$ | 4        |
| <del></del>                                      | 36       |  | ·V   | -               |             | $\vdash$   | Н        | $\vdash$   |          | $\dashv$ | -        |          | 85       | -        | -        | $\dashv$      | $\dashv$ | -        | $\dashv$           |          | $\dashv$ | $\dashv$ | }    |       | 135        | Н        | $\vdash$        |   | _             | Н               | $\dashv$       |          | -        |          |
|  | 37       | $\vdash$   | $\vdash$   | Н               | _           | -  | H        | -  | $\dashv$ | $\dashv$ | $\vdash$ |          | 86<br>87 | $\dashv$ | -        |               |          | $\dashv$ | $\dashv$           | -+       | $\dashv$ | $\dashv$ | }    |       | 136<br>137 | Н        | $\vdash \dashv$ | _ | _             | Н               | H              |          |          | 4        |
| <u> </u>   | 38       | -  | $\vdash$   | $\vdash\vdash$  |             | $\vdash$   | Н        | $\vdash$   | $\dashv$ | $\dashv$ | -        |          | 88       | -        | $\dashv$ | -+            |          | -        | $\dashv$           | $\dashv$ | $\dashv$ | $\dashv$ | }    |       | 137        | $\vdash$ | $\vdash \vdash$ | _ | <u> </u>      | $\vdash$        | $\vdash$       |          | -+       | $\dashv$ |
|  | 39       | $\vdash$   | ⊢  | Н               |             | $\vdash$   | Н        | Н  | $\dashv$ | $\dashv$ | $\vdash$ |          | 89       | $\dashv$ | $\dashv$ | $\dashv$      | $\dashv$ |          | -+                 | $\dashv$ |          | $\dashv$ | }    |       | 138        | $\vdash$ | $\vdash$        |   | <b>—</b>      | H               |                | -        | $\dashv$ | $\dashv$ |
|  | 40       | $\vdash$   | $\vdash$   | ├─┤             |             | $\vdash$   | Н        | $\vdash$   | -        | $\dashv$ | -        | _        | 90       |          | +        | $\dashv$      | +        | $\dashv$ | +                  | $\dashv$ | $\dashv$ | $\dashv$ | }    |       | 140        | $\vdash$ | $\vdash$        | _ | $\vdash$      | $\vdash$        |                | -        | $\dashv$ | $\dashv$ |
| <del> </del>                                     | 41       | -  | $\vdash$   | $\vdash \dashv$ | <del></del> | $\vdash$   | Н        | $\vdash$   | $\vdash$ | $\dashv$ | -        |          | 90       | $\dashv$ | $\dashv$ |               | -+       | -+       | $\dashv$           | $\dashv$ | $\dashv$ | $\dashv$ | }    |       | 141        | $\vdash$ | $\vdash \vdash$ |   | <u> </u>      | $\vdash$        | $\vdash$       | $\dashv$ |          | $\dashv$ |
| <u> </u>   | 42       | $\vdash$   | H  | Н               | H           | $\vdash$   | H        |  | $\dashv$ | $\dashv$ | -        |          | 92       | -        | $\dashv$ | $\dashv$      | $\dashv$ | +        | +                  | -+       | -+       | $\dashv$ | }    |       | 142        | $\vdash$ | $\dashv$        |   |               | H               | $\vdash$       |          | $\dashv$ | ᅴ        |
| -  | 43       | $\vdash$   | H  | $\vdash$        | $\vdash$    | -  | Н        | Н  | $\vdash$ | $\dashv$ | $\vdash$ |          | 93       |          | $\dashv$ | $\dashv$      |          | +        | +                  | $\dashv$ | $\dashv$ | $\dashv$ | }    |       | 143        | $\vdash$ |                 |   | -             | $\vdash \vdash$ |                |          | $\dashv$ | $\dashv$ |
| <b></b>  | 44       | $\vdash$   | ├─   | $\vdash$        | $\vdash$    | $\vdash$   | $\vdash$ | H  | $\vdash$ | $\dashv$ | -        |          | 94       | $\dashv$ | $\dashv$ | -+            |          |          | $\dashv$           | -+       | $\dashv$ | $\dashv$ | }    |       | 143        | $\vdash$ | $\vdash \vdash$ |   | -             | H               | $\vdash$       |          | $\dashv$ | $\dashv$ |
| <del>                                     </del> | 45       | -  | Н  | H               | -           | $\vdash$   |          | -  | H        | $\dashv$ | $\vdash$ |          | 95       | $\dashv$ | $\dashv$ | -+            |          |          | -+                 | +        | $\dashv$ | $\dashv$ | -    |       | 145        | $\vdash$ |                 |   | $\vdash$      |                 |                | $\dashv$ | $\dashv$ | $\dashv$ |
| <del>                                     </del> | 46       | -  | -  | $\vdash$        | $\vdash$    | -  | $\vdash$ | <del>                                     </del> | Н        | $\dashv$ | $\vdash$ | $\dashv$ | 96       | $\dashv$ | $\dashv$ | -+            | -        | -+       | $\dashv$           | $\dashv$ | +        | $\dashv$ | H    |       | 145        | $\vdash$ | -               |   | $\vdash$      | $\vdash$        | $\vdash$       | $\dashv$ | $\dashv$ | $\dashv$ |
| <del>                                     </del> | 47       | $\vdash$   | -  | $\vdash$        | $\vdash$    | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$ | $\dashv$ |          |          | 97       | -        | $\dashv$ | $\dashv$      | -+       | $\dashv$ | $\dashv$           | $\dashv$ | $\dashv$ | $\dashv$ | ŀ    | _     | 147        | H        | $\vdash$        |   | $\vdash$      | $\vdash$        | Н              | -+       | ┥        | 긕        |
| <del>  -</del>                                   | 48       | $\vdash$   | <del>                                     </del> | $\vdash$        | $\vdash$    | <del>                                     </del> | $\vdash$ | -  | $\vdash$ | $\dashv$ | $\vdash$ |          | 98       |          | $\dashv$ |               | $\dashv$ | $\dashv$ | $\dashv$           | -        | $\dashv$ |          | ŀ    |       | 148        | $\vdash$ | $\vdash$        | _ | <del>  </del> | <del> </del>    | $\vdash\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |
| <u> </u>   | 49       | <del>                                     </del> |  | H               |             | -  | $\vdash$ | -  | $\vdash$ | $\dashv$ | $\vdash$ |          | 99       | -        | $\dashv$ | $\dashv$      | -        | $\dashv$ | -+                 | -1       | +        | $\dashv$ | ŀ    |       | 149        | H        | $\vdash$        |   | $\vdash$      | -               | Н              | $\dashv$ | -        | ႕        |
|  | 50       | <del>                                     </del> |  | Н               | Н           | $\vdash$   | Н        | -  | $\vdash$ | $\dashv$ | $\vdash$ |          | 100      | $\dashv$ | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$ | -+                 | $\dashv$ | -        | $\dashv$ | ŀ    |       | 150        | H        | Н               |   | $\vdash$      | $\vdash$        | Н              | $\dashv$ | -        | $\dashv$ |
| Щ_   | 1 50     |  | Щ.   | $\Box$          | ш           |  | Щ.       |  | ليا      |          |          | L        | 100      |          |          | 1             |          |          |                    | _1       |          |          | l    |       | 130        | L        |                 |   |               |                 | L              |          |          |          |